





[PubMed](#)
[Nucleotide](#)
[Protein](#)
[Genome](#)
[Structure](#)
[PMC](#)
[Taxonomy](#)
[OMIM](#)
[Books](#)

Search for

Display Show

Range: from to ☐ Reverse complemented strand Features:

1: [AI374506](#). Reports MEST6-D3.POLYT-N....[gi:4174526]

[Links](#)

LOCUS AI374506 871 bp mRNA linear EST 21-JAN-1999
 DEFINITION MEST6-D3.POLYT-N.Seq ISUM2 Zea mays cDNA clone MEST6-D3 5', mRNA sequence.
 ACCESSION AI374506
 VERSION AI374506.1 GI:4174526
 KEYWORDS EST.
 SOURCE Zea mays
 ORGANISM [Zea mays](#)
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD clade; Panicoideae; Andropogoneae; Zea.
 REFERENCE 1 (bases 1 to 871)
 AUTHORS Wen,T.J., Ashlock,D.A. and Schnable,P.S.
 TITLE Expressed Sequence Tags from B73 Maize Seedlings
 JOURNAL Unpublished (1997)
 COMMENT Contact: Schnable, PS
 Schnable laboratory
 Iowa State University
 G405 Agronomy, Ames, IA 50011, USA
 Tel: (515)-294-0975
 Fax: (515)-294-2299
 Email: schnable@iastate.edu
 PCR Primers
 FORWARD: tw1412 (5'-GAAGATACCCACCAAACC-3')
 BACKWARD: T7-YJ (5'-TAATACGACTCACTATAGGGC-3')
 Plate: MEST6 row: D column: 3
 Seq primer: POLYT-N (5'-TTTTTTTTTTTTTTTTTTTTTTTTTTT(AGC)-3').
 FEATURES
 source Location/Qualifiers
 1..871
 /organism="Zea mays"
 /mol_type="mRNA"
 /cultivar="B73"
 /db_xref="taxon:4577"
 /clone="MEST6-D3"
 /tissue_type="above ground tissues"
 /dev_stage="Two-leaf-stage green seedling"
 /lab_host="XL1-MFR Blue"
 /clone_lib="ISUM2"
 /note="Organ: green seedlings; Vector: pAD-GAL4; Site_1: EcoRI; Site_2: XhoI; ds-cDNA molecules were generated as follows. First-strand cDNA was prepared from oligo-dT selected mRNA by priming with an XhoI oligo-dT primer. The resulting DNA:RNA hybrid was treated with RNase H and used as a template for DNA PolI-catalyzed second strand synthesis. After the addition of EcoRI adaptors, the ds-cDNAs were digested with XhoI and size-selected. The

resulting molecules were directionally cloned into the
EcoRI and XhoI sites of the HybriZAP lambda vector
(Stratagene) and excised as pAD-GAL4 phagemids."

ORIGIN

```
1 cctcatccat atcctattta agcttcatca tgtaaacaat gcagtctata tataaaatgg
61 ngcaaaacag tgtcttgac agccatatac acgatctgct ggccatatcc taagaggagc
121 taatggctca agtgccactc ttacttgac atatttgca ctaaataaca actatagcaa
181 gcagtgcacc tcattctgaa atatcgctat actgttgata ccaggagttg ttttttgctt
241 gctttgaaat gatgcctcag ttttttgag aaggaaatac agtggaagat acacaaaatt
301 acaatttggg ggaacgaaac ttaatgattt tttgaagacc acgtagctct cagtttgctt
361 tcctattcac tttgaggtag ggcagtgcac ccgtaacatt gtcgtagtca ctcttggtga
421 cttgcacccat cttcgagagc ctcttcttgc gcttggtggt cttcttggcg agcaagtgct
481 gcttcccggc gcaccgccgc acgatcttgc cctccccgt caccggaac cgcttcgccg
541 acgccttggt cgtcttcac ttgtagccct tcttccccgc cgcgacgacc tctaacgaag
601 tgggtggaggt ggccggcttg cgcgggancg gcgacccgac ngaagccgcg gtggcggcca
661 acggcgcncc caaaaaggat ttccccgga atgcnaggct ggctggggta gcttcctgct
721 nctgcccgcg gaaacgcaan ggcgcgggcg cccaaggaaa ggacaccctc tggttttttg
781 ntgggncng ttncttnt tgggatgctg ggcnaatcac ttttttnggt ngggggnntt
841 cactcnaaga gtttcactca tggggggtna a
```

//

[Disclaimer](#) | [Write to the Help Desk](#)
[NCBI](#) | [NLM](#) | [NIH](#)

Jul 24 2006 17:22:14